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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/660,379	09/11/2003	David J. Schroeder	100191	6019	
29050	7590 02/03/2005		EXAM	EXAMINER	
	WESEMAN, ASSOCIA	GOUDREAU, GEORGE A			
	ROELECTRONICS COR COMMONS DRIVE	PORATION	ART UNIT	PAPER NUMBER	
AURORA, II	60504		1763		

DATE MAILED: 02/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

,	Application No.	Applicant(s)	-72			
	10/660,379	SCHROEDER ET AL.				
Office Action Summary	Examiner	Art Unit				
	George A. Goudreau	1763				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be y within the statutory minimum of thirty (30) d will apply and will expire SIX (6) MONTHS fro, cause the application to become ABANDON	timely filed  ays will be considered timely.  om the mailing date of this communication.  NED (35 U.S.C. § 133).,				
Status						
1) Responsive to communication(s) filed on 18 N	ovember 2004.					
2a)⊠ This action is <b>FINAL</b> . 2b)□ This	action is non-final.					
3) Since this application is in condition for allowar	•		İ			
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-86</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	wn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-8, 11-29, 32-43, 54-64, and 76-86</u> is	s/are rejected.					
7) Claim(s) <u>9,10,30,31,44-53 and 65-75</u> is/are ob	jected to.					
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) The specification is objected to by the Examine	ef.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the	drawing(s) be held in abeyance. S	ee 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is o	objected to. See 37 CFR 1.121(d).				
11) ☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	ce Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents		a)-(d) or (f).				
2. Certified copies of the priority documents	s have been received in Applica	ation No				
3. Copies of the certified copies of the prior	rity documents have been recei	ved in this National Stage				
application from the International Bureau	ı (PCT Rule 17.2(a)).		:			
* See the attached detailed Office action for a list	of the certified copies not receive	Ved.  GEÖRGE GÖUDREÐU  PRIMARY EXAMINER	)			
Attachment(s)	🗖	1-2-051	'			
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summa Paper No(s)/Mail					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		Patent Application (PTO-152)				

Application/Control Number: 10/660,379 Page 2

Art Unit: 1763

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 3. Claims 1-6, 11, 14-18, 21-27, 32-40, 43, 54-61, 64, and 76-84 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzumura et. al. as applied in paragraph 4 of the previous office action.
- 4. Claims 1-8, 11-29, 32-43, 54-64, and 76-86 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzumura et. al. as applied in paragraph 5 of the previous office action.
- 5. Claims 9-10, 30-31, 44-53, and 65-75 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Application/Control Number: 10/660,379 Page 3

Art Unit: 1763

6. Applicant's arguments filed 11-18-04' have been fully considered but they are not persuasive.

Applicant argues the following points regarding the examiner's rejection of their claimed subject matter.

- -The prior art of record fails to disclose the usage of a cmp slurry with the specific combination of components, which is recited by the applicant in their claims.;
- -The carbonate ions, carbonic acid, or hydrogen carbonate ions which are disclosed in the prior art cmp slurries do not constitute a type of oxidant as is purported by the examiner.; and
- -The prior art of record teach the equivalence in using compounds in their cmp slurries, which are generally considered oxidants as well as those, which are generally not considered oxidants. Further, the prior art of record teach the usage of different types of abrasive particles (i.e.-fumed silica, colloidal silica, etc.) in their cmp slurries as being equivalent. This teaches away from applicant's claimed invention, which recites a cmp slurry, which employs an oxidant in combination with fumed silica abrasive particles.

The examiner must disagree.

-The carbonic acid, carbonate ions, and hydrogen carbonate ions recited in the prior art cmp slurries may be considered a type of oxidant contrary to what applicant purports.; and

Application/Control Number: 10/660,379

Art Unit: 1763

-The prior art of record discloses cmp slurries, which contain all of the

components, which are recited by applicant in their claims, contrary to what

applicant purports.

7. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the mailing date of this final action.

8. Any inquiry concerning this communication should be directed to examiner

George A. Goudreau at telephone number (571)-272-1434.

Joudreon

George A. Goudreau

Primary Examiner

Art Unit 1763

Page 4